



JAN 19 2003

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UNITED STATES PATENT AND TRADEMARK OFFICE

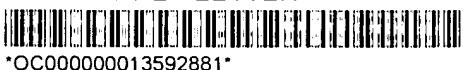
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APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/723,365	11/26/2003	Dirk van den Boom	17082-081001 / 24736-2073

20985
 FISH & RICHARDSON, PC
 12390 EL CAMINO REAL
 SAN DIEGO, CA 92130-2081



CONFIRMATION NO. 4199
FORMALITIES LETTER



Date Mailed: 08/20/2004

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS
 CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE
 DISCLOSURES**

Filing Date Granted

Applicant is given **TWO MONTHS FROM THE DATE OF THIS NOTICE** within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

For questions regarding compliance to these requirements, please contact:

- For Rules Interpretation, call (703) 308-4216
- To Purchase PatentIn Software, call (703) 306-2600
- For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov

Replies should be mailed to: Mail Stop Missing Parts
 Commissioner for Patents
 P.O. Box 1450
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A copy of this notice MUST be returned with the reply.

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

JAN 13 2005

PTO/SB/21 (09-04)

Approved for use through 07/31/2006, OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

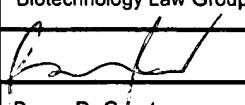
Total Number of Pages in This Submission

37

Application Number	10/723,365
Filing Date	November 26, 2003
First Named Inventor	Dirk Johannes van den Boom
Art Unit	1645
Examiner Name	Unknown

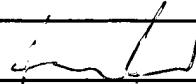
Attorney Docket Number

SEQ-2073-UT

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <ul style="list-style-type: none"> * Notice to Comply * Communication Re: Notice to Comply; * One Diskette PC/MS-DOS PATENTIN 3.2; * See additional enclosures in Remarks
Remarks		
<ul style="list-style-type: none"> * Paper Copy of Sequence Listing; * Statement to Support Filing & Submission * Form: PTO 2038 		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name	Biotechnology Law Group	
Signature		
Printed name	Bruce D. Grant	
Date	19 January 2005	Reg. No. 47,608

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service's "Express Mail Post Office to Addressee" on the date below and is addressed to: ATTN Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	
Typed or printed name	Bruce D. Grant
Date	19 January 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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ATTORNEY DOCKET NO.: SEQ-2073-UT

S/N 10/723,365

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: VAN DEN BOOM, et al. Examiner: Unknown
Serial No.: 10/723,365 Group Art Unit: 1645
Filed: November 26, 2003 Docket: SEQ-2073-UT
Title: FRAGMENTATION-BASED METHODS AND SYSTEMS FOR SEQUENCE VARIATION DETECTION AND DISCOVERY

COMMUNICATION RE: NOTICE TO COMPLY WITH REQUIREMENTS

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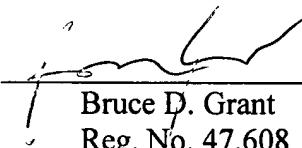
In response to the "Notice to Comply with Requirements" please find the Sequence Listing and supporting documents along with a Petition for Extension of Time (3 months) and payment of \$510.00 fee for small entity compliance.

Applicants assume the application is now in proper order and in condition for examination. Please direct any inquiries to the undersigned attorney at 858 623-9470.

If there are any additional fees due or overpayment please contact the undersigned attorney at 858-623-9470.

Respectfully submitted,

Date 19 January 2005
BioTechnology Law Group
658 Marsolan Avenue
Solana Beach, CA 92075

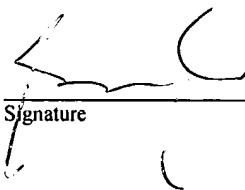

Bruce D. Grant
Reg. No. 47,608

CERTIFICATE UNDER 37 CFR 1.10: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service's "Express Mail Post Office to Addressee" on the date indicated below and is addressed to: Attn: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

DATE: 19 Jan, 2005

Bruce D. Grant
Name

EXPRESS MAIL TRANSMITTAL NO.: ER 996606292 US


Signature

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL

For FY 2005

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 510.00)
Complete if Known

Application Number	10/723,365
Filing Date	November 26, 2003
First Named Inventor	Dirk J. Van Den Boom et.al
Examiner Name	Unknown
Art Unit	1645
Attorney Docket No.	SEQ-2073-UT

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order None Other (please identify): PTO-2038
 Deposit Account Deposit Account Number: _____ Deposit Account Name: _____

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee
 Charge any additional fee(s) or underpayments of fee(s) Credit any overpayments
 under 37 CFR 1.16 and 1.17

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fee (\$)	Small Entity	
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

2. EXCESS CLAIM FEES**Fee Description**

Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent

Small Entity	
Fee (\$)	Fee (\$)
50	25
200	100
360	180

Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent

Multiple dependent claims

Small Entity					
Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	
0 - 20 or HP =	0	x 25 =	0	Fee (\$)	Fee Paid (\$)
HP = highest number of total claims paid for, if greater than 20				0	0
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)		
0 - 3 or HP =	0	x 100 =	0		
HP = highest number of independent claims paid for, if greater than 3					

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____ - 100 =	_____ / 50 =	(round up to a whole number) x	_____ =	_____

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other: 3 Month Extension of Time \$510.00 \$510.00**SUBMITTED BY**

Signature		Registration No. 47,608 (Attorney/Agent)	Telephone 858 623-9470
Name (Print/Type)	Bruce D. Grant Date 19 Jan 2005		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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